



Author index to volume 238

Aguilar, A., see De Andrés, J. 238 (1995) 338
Albertí, M., see De Andrés, J. 238 (1995) 338
Alexandrov, A.L., see Schweigert, V.A. 238 (1995) 110
Amaya, K., see Mukai, K. 238 (1995) 61
Anger, I., M. Sundahl and O. Wennerström, Twofold adiabatic cis-trans isomerization of Z,Z-1,6-bisstyrylcycloheptatriene in the triplet state 238 (1995) 122
Antoniadis, H. and B.R. Hsieh, Photoluminescence studies on poly(1,4-phenylene 1'-phenyl vinylene) doped with fluorenylidene malononitrile 238 (1995) 301
Aprà, E., see Kutteh, R. 238 (1995) 173
Atkinson, J.B., see Czajkowski, A. 238 (1995) 327
Attard, G.A., see Howard, S.T. 238 (1995) 180
Augspurger, J.D. and C.E. Dykstra, Electron excitation effects on NMR shieldings in small organic molecules 238 (1995) 199
Balasubramanian, K., see Dai, D. 238 (1995) 203
Balzer, F. and H.-G. Rubahn, Third-order nonlinear optics of Na clusters bound to dielectric surfaces 238 (1995) 77
Bedanov, V.M., see Schweigert, V.A. 238 (1995) 110
Bhatnagar, A. and R.W. Carr, A kinetic study of the $\text{CF}_3\text{CFHO}_2 + \text{NO}$ reaction and the dissociation of the CF_3CFHO radical 238 (1995) 9
Bleiber, A. and J. Sauer, The vibrational frequency of the donor OH group in the H-bonded dimers of water, methanol and silanol. Ab initio calculations including anharmonicities 238 (1995) 243
Borgis, D. and A. Staib, A semiempirical quantum polarization model for water 238 (1995) 187
Borkowska-Burnecka, J. and W. Żyrnicki, Analysis of the ${}^3\Pi_{0,1}-X {}^1\Sigma^+$ transition of gallium monoiodide 238 (1995) 346
Braun, T., I. Konkoly Thege, H. Rausch, K. Süvegh and A. Vértes, Dose effect in neutron-irradiated C_{60} : a positron lifetime spectroscopy and DSC study 238 (1995) 290
Brusentseva, M.A., see Mal'tsev, E.I. 238 (1995) 295
Bulović, V. and S.R. Forrest, Excitons in crystalline thin films of 3,4,9,10-perylenetetracarboxylic dianhydride studied by photocurrent response 238 (1995) 88
Caballol, R., see García, V.M. 238 (1995) 222
Car, R., see Massobrio, C. 238 (1995) 215
Carr, R.W., see Bhatnagar, A. 238 (1995) 9



Author index to volume 238

Aguilar, A., see De Andrés, J. 238 (1995) 338
Albertí, M., see De Andrés, J. 238 (1995) 338
Alexandrov, A.L., see Schweigert, V.A. 238 (1995) 110
Amaya, K., see Mukai, K. 238 (1995) 61
Anger, I., M. Sundahl and O. Wennerström, Twofold adiabatic cis-trans isomerization of Z,Z-1,6-bisstyrylcycloheptatriene in the triplet state 238 (1995) 122
Antoniadis, H. and B.R. Hsieh, Photoluminescence studies on poly(1,4-phenylene 1'-phenyl vinylene) doped with fluorenylidene malononitrile 238 (1995) 301
Aprà, E., see Kutteh, R. 238 (1995) 173
Atkinson, J.B., see Czajkowski, A. 238 (1995) 327
Attard, G.A., see Howard, S.T. 238 (1995) 180
Augspurger, J.D. and C.E. Dykstra, Electron excitation effects on NMR shieldings in small organic molecules 238 (1995) 199
Balasubramanian, K., see Dai, D. 238 (1995) 203
Balzer, F. and H.-G. Rubahn, Third-order nonlinear optics of Na clusters bound to dielectric surfaces 238 (1995) 77
Bedanov, V.M., see Schweigert, V.A. 238 (1995) 110
Bhatnagar, A. and R.W. Carr, A kinetic study of the $\text{CF}_3\text{CFHO}_2 + \text{NO}$ reaction and the dissociation of the CF_3CFHO radical 238 (1995) 9
Bleiber, A. and J. Sauer, The vibrational frequency of the donor OH group in the H-bonded dimers of water, methanol and silanol. Ab initio calculations including anharmonicities 238 (1995) 243
Borgis, D. and A. Staib, A semiempirical quantum polarization model for water 238 (1995) 187
Borkowska-Burnecka, J. and W. Żyrnicki, Analysis of the ${}^3\Pi_{0,1}-X {}^1\Sigma^+$ transition of gallium monoiodide 238 (1995) 346
Braun, T., I. Konkoly Thege, H. Rausch, K. Süvegh and A. Vértes, Dose effect in neutron-irradiated C_{60} : a positron lifetime spectroscopy and DSC study 238 (1995) 290
Brusentseva, M.A., see Mal'tsev, E.I. 238 (1995) 295
Bulović, V. and S.R. Forrest, Excitons in crystalline thin films of 3,4,9,10-perylenetetracarboxylic dianhydride studied by photocurrent response 238 (1995) 88
Caballol, R., see García, V.M. 238 (1995) 222
Car, R., see Massobrio, C. 238 (1995) 215
Carr, R.W., see Bhatnagar, A. 238 (1995) 9

Castell, O., see García, V.M. 238 (1995) 222

Chauchard, E., C. Combella, E. Hendrickx, G. Mathey, C. Suba, A. Persoons and A. Thiebault, Hyperpolarization properties of pyridinium and quinolinium salts determined by hyper-Rayleigh scattering 238 (1995) 47

Chen, T.H., J.Z. Wang, H.X. Li, K.X. Wang, F. Deng, Y.R. Du and D.T. Ding, Sodium cation locations in zeolite omega studied by ^{23}Na VASS NMR 238 (1995) 82

Colombo, L., see Serra, S. 238 (1995) 281

Combella, C., see Chauchard, E. 238 (1995) 47

Connor, J.N.L., see Sokolovski, D. 238 (1995) 127

Cybulski, S.M., Nonexpanded coupled Hartree-Fock approach to evaluation of three-body induction energies 238 (1995) 261

Czajkowski, A., W. Kedzierski, J.B. Atkinson and L. Krause, The rotationally resolved $\text{H}1_u \leftarrow \text{A}0_g^\pm$ electronic spectrum of Hg_2 238 (1995) 327

Dai, D. and K. Balasubramanian, Ionization energies of Y_n ($n = 1-4$) 238 (1995) 203

De Andrés, J., M. Prieto, T. Romero, J.M. Lucas, M. Albertí and A. Aguilar, State-to-state crossed molecular beam measurements for collision processes in Na/Na^+ , K^+ and Cs^+ systems 238 (1995) 338

De Boeij, W.P., M.S. Pshenichnikov and D.A. Wiersma, Phase-locked heterodyne-detected stimulated photon echo. A unique tool to study solute-solvent interactions 238 (1995) 1

Deghoul, F., see Manaa, H. 238 (1995) 333

Deng, F., see Chen, T.H. 238 (1995) 82

Deuper, C., see Zubrágel, Ch. 238 (1995) 308

Ding, D.T., see Chen, T.H. 238 (1995) 82

Du, Y.R., see Chen, T.H. 238 (1995) 82

Dykstra, C.E., see Augspurger, J.D. 238 (1995) 199

Egger, R., see Mak, C.H. 238 (1995) 149

Ertl, G., see Mikhailov, A. 238 (1995) 104

Fang, W.-H., X.-Z. You and Z. Yin, Theoretical studies on photolysis and pyrolysis of isocyanic acid 238 (1995) 236

Flament, J.P. and M. Tadjeddine, MCSCF calculations on the vibrational properties of CN^- adsorbed on platinum 238 (1995) 193

Flint, C.D., see Vasquez, S.O. 238 (1995) 378

Forrest, S.R., see Bulović, V. 238 (1995) 88

Fowler, P.W., A.C. Legon, S.A. Peebles and E. Steiner, Electric and magnetic properties of the BrCl molecule 238 (1995) 163

Fowler, P.W., see Zanasi, R. 238 (1995) 270

García, V.M., O. Castell, R. Caballo and J.P. Malrieu, An iterative difference-dedicated configuration interaction. Proposal and test studies 238 (1995) 222

Garvey, J.F., see Lyktey, M.Y.M. 238 (1995) 54

Gordillo, M.C. and C.P. Herrero, Tetrahedral atom ordering in sodium feldspars: a Monte Carlo study 238 (1995) 168

Grinberg, M., see Mandelis, A. 238 (1995) 65

Grunze, M., see Zubrágel, Ch. 238 (1995) 308

Guyot, Y., see Manaa, H. 238 (1995) 333

Hendrickx, E., see Chauchard, E. 238 (1995) 47
 Herrero, C.P., see Gordillo, M.C. 238 (1995) 168
 Hoffman, D.K., see Huang, Y. 238 (1995) 387
 Hoffman, D.K., see Kouri, D.J. 238 (1995) 395
 Howard, S.T., Attard and H.F. Lieberman, The polarizabilities of perchlorate, bisulphate and dihydrogen phosphate anions 238 (1995) 180
 Hsieh, B.R., see Antoniadis, H. 238 (1995) 301
 Huang, Y., D.J. Kouri and D.K. Hoffman, New approach to quantum dynamics: recursive, average case complexity, distributed approximating functional method for time-independent wavepacket forms of Schrödinger and Lippmann-Schwinger equations 238 (1995) 387
 Johnson, D.E., Rare gas-oxygen emission bands and rare gas continua in the UV and VUV 238 (1995) 71
 Kedzierski, W., see Czajkowski, A. 238 (1995) 327
 Kelley, D.F., see Pogge, J.L. 238 (1995) 16
 Kennedy, C., see Mattar, S.M. 238 (1995) 230
 Kobayashi, A., see Moriyama, H. 238 (1995) 116
 Kobayashi, H., see Moriyama, H. 238 (1995) 116
 Kobayashi, T., see Mukai, K. 238 (1995) 61
 Koch, U., P.L.A. Popelier and A.J. Stone, Conformational dependence of atomic multipole moments 238 (1995) 253
 Kolesnikov, V.A., see Mal'tsev, E.I. 238 (1995) 295
 Konkoly Thege, I., see Braun, T. 238 (1995) 290
 Kosugi, N., see Simon, M. 238 (1995) 42
 Kouri, D.J., W. Zhu, G.A. Parker and D.K. Hoffman, Acceleration of convergence in the polynomial-expanded spectral density approach to bound and resonance state calculations 238 (1995) 395
 Kouri, D.J., see Huang, Y. 238 (1995) 387
 Krause, L., see Czajkowski, A. 238 (1995) 327
 Kuhlenbeck, H., M. Lepage, M. Michaud, L. Sanche, H. Sambe and D.E. Ramaker, The $3\sigma_u^+$ resonance of O_2 chemisorbed on Pd(111) and Pt(111) 238 (1995) 93
 Kutteh, R., E. Aprà and J. Nichols, A generalized fast multipole approach for Hartree-Fock and density functional computations 238 (1995) 173
 Kuyucak, S. and M.K. Roberts, Algebraic solution of the vibron model for diatomic molecules 238 (1995) 371
 Lablanquie, P., see Simon, M. 238 (1995) 42
 Lami, A. and G. Villani, Quantum dynamics of proton transfer in the $H_3O^+ - H_2O$ complex 238 (1995) 137
 Langer, S., see Nielsen, O.J. 238 (1995) 359
 Larin, A.V., Influence of the intramolecular potential of adsorbed hydrogen on frequency shift calculations. (*Chem. Phys. Letters* 232 (1995) 383). Erratum 238 (1995) 208
 Lavallée, M., see Simon, M. 238 (1995) 42
 Legon, A.C. and D.G. Lister, Bending force constants for weakly bound dimers AB (A = symmetric top, B = linear molecule) from centrifugal distortion in rotational spectra 238 (1995) 156
 Legon, A.C., see Fowler, P.W. 238 (1995) 163

Lepage, M., see Kuhlenbeck, H. 238 (1995) 93
 Li, H.X., see Chen, T.H. 238 (1995) 82
 Lieberman, H.F., see Howard, S.T. 238 (1995) 180
 Lister, D.G., see Legon, A.C. 238 (1995) 156
 Ljungström, E., see Nielsen, O.J. 238 (1995) 359
 Lucas, J.M., see De Andrés, J. 238 (1995) 338
 Lyktey, M.Y.M., P. Xia and J.F. Garvey, Fragmentation of $\text{Fe}(\text{CO})_5\text{-ROH}$ ($\text{R} = \text{CH}_3$ and C_2H_5) heteroclusters induced by 248 nm multiphoton ionization 238 (1995) 54

Mak, C.H. and R. Egger, On the mechanism of the primary charge separation in bacterial photosynthesis 238 (1995) 149
 Malrieu, J.P., see García, V.M. 238 (1995) 222

Mal'tsev, E.I., M.A. Brusentseva, V.A. Kolesnikov and A.V. Vannikov, Electroluminescence of poly(hydroxyamino esters)-aluminum complexes 238 (1995) 295

Manaa, H., Y. Guyot, F. Deghoul, R. Moncorgé and L.D. Merkle, Excited state absorption in $\text{Mn}^{5+} : \text{Sr}_3(\text{VO}_4)_3\text{F}$ 238 (1995) 333

Mandelis, A. and M. Grinberg, Ultrasensitive quadrature photopyroelectric quantum yield spectroscopy of $\text{Ti}^{3+} : \text{Al}_2\text{O}_3$. Evidence for domination of de-excitation mechanism by inter-configurational nonradiative transitions in an unthermalized manifold 238 (1995) 65

Manfredini, M., see Serra, S. 238 (1995) 281

Massobrio, C., A. Pasquarello and R. Car, Structural and electronic properties of small copper clusters: a first principles study 238 (1995) 215

Mathey, G., see Chauchard, E. 238 (1995) 47

Mattar, S.M. and C. Kennedy, MRSD-CI studies of the $\text{X}^3\Delta$ VCH hyperfine tensors 238 (1995) 230

Mellinger, A. and C.R. Vidal, Laser-reduced fluorescence detection of carbon monoxide $n\sigma$ ($n = 5-8$) triplet Rydberg states 238 (1995) 31

Merkle, L.D., see Manaa, H. 238 (1995) 333

Metzger, B.S., see Troxler, T. 238 (1995) 313

Micha, D.A. and K. Runge, Time evolution of orbital polarization in slow ion-atom collisions 238 (1995) 132

Michaud, M., see Kuhlenbeck, H. 238 (1995) 93

Mikhailov, A. and G. Ertl, Pattern formation by adsorbates with attractive lateral interactions 238 (1995) 104

Milani, P., see Serra, S. 238 (1995) 281

Mohanty, A.K., see Parpia, F.A. 238 (1995) 209

Moncorgé, R., see Manaa, H. 238 (1995) 333

Morin, P., see Simon, M. 238 (1995) 42

Moriyama, H., H. Kobayashi, A. Kobayashi and T. Watanabe, ESR spectra on single crystals of alkali metal fulleride complexes by means of wet-chemical synthesis 238 (1995) 116

Morokov, Y.N., see Schweigert, V.A. 238 (1995) 110

Mozumder, A., Free-ion yield in liquid argon at low-LET 238 (1995) 143

Mukai, K., K. Nedachi, M. Takiguchi, T. Kobayashi and K. Amaya, Anomalous magnetic properties of 3-(4-chlorophenyl)-1,5-dimethyl-6-thioxoverdazyl radical solid 238 (1995) 61

Muta, S., see Nagamura, T. 238 (1995) 353

Nagamura, T., S. Muta and K. Shiratori, First ion-pair charge-transfer complex showing a specific CT absorption spectrum with well-resolved vibrational structure in solution 238 (1995) 61

Neumann, M., see Zubrägel, Ch.	238 (1995) 308
Nichols, J., see Kutteh, R.	238 (1995) 173
Nielsen, O.J., J. Sehested, S. Langer, E. Ljungström and I. Wängberg, UV absorption spectra and kinetics for alkyl and alkyl peroxy radicals originating from di-tert-butyl ether	238 (1995) 359
Nozaki, K., see Osuka, A.	238 (1995) 37
Ohno, T., see Osuka, A.	238 (1995) 37
Osuka, A., H. Yamada, S. Shinoda, K. Nozaki and T. Ohno, Intramolecular charge recombination in carotenoid-porphyrin-pyromellitimide triads	238 (1995) 37
Parker, G.A., see Kouri, D.J.	238 (1995) 395
Parpia, F.A. and A.K. Mohanty, Numerical study of the convergence of the linear expansion method for the one-electron Dirac equation	238 (1995) 209
Pasquarello, A., see Massobrio, C.	238 (1995) 215
Peebles, S.A., see Fowler, P.W.	238 (1995) 163
Persoons, A., see Chauchard, E.	238 (1995) 47
Pogge, J.L. and D.F. Kelley, Interligand electron transfer dynamics in Os ^{II} trisbipyridine	238 (1995) 16
Popelier, P.L.A., see Koch, U.	238 (1995) 253
Prieto, M., see De Andrés, J.	238 (1995) 338
Pshenichnikov, M.S., see De Boeij, W.P.	238 (1995) 1
Ramaker, D.E., see Kuhlenbeck, H.	238 (1995) 93
Rausch, H., see Braun, T.	238 (1995) 290
Roberts, M.K., see Kuyucak, S.	238 (1995) 371
Romero, T., see De Andrés, J.	238 (1995) 338
Rubahn, H.-G., see Balzer, F.	238 (1995) 77
Runge, K., see Micha, D.A.	238 (1995) 132
Sambe, H., see Kuhlenbeck, H.	238 (1995) 93
Sanche, L., see Kuhlenbeck, H.	238 (1995) 93
Sauer, J., see Bleiber, A.	238 (1995) 243
Schatz, G.C., see Sokolovski, D.	238 (1995) 127
Schertel, A., see Zubrägel, Ch.	238 (1995) 308
Schneider, F., see Zubrägel, Ch.	238 (1995) 308
Schweigert, V.A., A.L. Alexandrov, Y.N. Morokov and V.M. Bedanov, MINDO/3 study of the interaction of small carbon clusters	238 (1995) 110
Sehested, J., see Nielsen, O.J.	238 (1995) 359
Seraphin, S., see Zhou, D.	238 (1995) 286
Serra, S., M. Manfredini, P. Milani and L. Colombo, Amorphization of fullerite crystals	238 (1995) 281
Shinoda, S., see Osuka, A.	238 (1995) 37
Shiratori, K., see Nagamura, T.	238 (1995) 353
Simon, M., P. Morin, P. Lablanquie, M. Lavollée, K. Ueda and N. Kosugi, Dissociation dynamics of core-excited BF ₃ probed by the photoelectron-photoion-photoion coincidence	238 (1995) 42
Sokolovski, D., J.N.L. Connor and G.C. Schatz, New uniform semiclassical theory of resonance angular scattering for reactive molecular collisions	238 (1995) 127
Spangler, L.H., see Troxler, T.	238 (1995) 313

Staib, A., see Borgis, D. 238 (1995) 187
 Steiner, E., see Fowler, P.W. 238 (1995) 163
 Stone, A.J., see Koch, U. 238 (1995) 253
 Suba, C., see Chauchard, E. 238 (1995) 47
 Sundahl, M., see Anger, I. 238 (1995) 122
 Süvegh, K., see Braun, T. 238 (1995) 290

Tadjeeddine, M., see Flament, J.P. 238 (1995) 193
 Takiguchi, M., see Mukai, K. 238 (1995) 61

Tewari, R., N(7)-protonation-induced conformational flipping in hypermodified nucleic acid base N⁶-(N-glycylcarbonyl) adenine 238 (1995) 365

Thiebault, A., see Chauchard, E. 238 (1995) 47
 Topp, M.R., see Troxler, T. 238 (1995) 313

Troxler, T., M.R. Topp, B.S. Metzger and L.H. Spangler, Resolution of different conformers of methoxy-trans-stilbenes via rotational coherence spectroscopy 238 (1995) 313

Ueda, K., see Simon, M. 238 (1995) 42

Vaittinen, O., Photoacoustic vibration-rotation overtone spectrum of the 4ν₁ band system of monobromoacetylene 238 (1995) 319
 Vannikov, A.V., see Mal'tsev, E.I. 238 (1995) 295

Vasquez, S.O. and C.D. Flint, A shell model for cross relaxation in elpasolite crystals: application to the ³P₀ and ¹G₄ states of Cs₂NaY_{1-x}Pr_xCl₆ 238 (1995) 378

Vérites, A., see Braun, T. 238 (1995) 290
 Vidal, C.R., see Mellinger, A. 238 (1995) 31
 Villani, G., see Lami, A. 238 (1995) 137

Wang, J.Z., see Chen, T.H. 238 (1995) 82
 Wang, K.X., see Chen, T.H. 238 (1995) 82
 Wängberg, I., see Nielsen, O.J. 238 (1995) 359
 Watanabe, T., see Moriyama, H. 238 (1995) 116
 Wennerström, O., see Anger, I. 238 (1995) 122
 Wiersma, D.A., see De Boeij, W.P. 238 (1995) 1
 Winnik, M.A., see Yang, J. 238 (1995) 25
 Wöll, Ch., see Zubrägel, Ch. 238 (1995) 308
 Wu, R., The bonding mechanism at bimetallic interface: Pd/Ta(110) 238 (1995) 99

Xia, P., see Lyktey, M.Y.M. 238 (1995) 54

Yamada, H., see Osuka, A. 238 (1995) 37
 Yang, J. and M.A. Winnik, Fluorescence energy transfer from phenanthrene to an aromatic ketone in a cross-linked polyacrylate network 238 (1995) 25
 Yin, Z., see Fang, W.-H. 238 (1995) 236
 You, X.-Z., see Fang, W.-H. 238 (1995) 236

Zanasi, R. and P.W. Fowler, Ring currents and magnetisability in C₆₀ 238 (1995) 270
 Zhou, D. and S. Seraphin, Complex branching phenomena in the growth of carbon nanotubes 238 (1995) 286

Zhu, W., see Kouri, D.J. 238 (1995) 395

Zubrägel, Ch., C. Deuper, F. Schneider, M. Neumann, M. Grunze, A. Schertel and Ch. Wöll, The presence of two different sulfur species in self-assembled films of *n*-alkanethiols on Au and Ag surfaces 238 (1995) 308

Żytnicki, W., see Borkowska-Burnecka, J. 238 (1995) 346

